

AMENDMENTS TO THE CLAIMS

Cancel claims 1-7.

8. (Currently Amended) ~~The mechanical drive system of claim 7, A~~
mechanical drive system for an accessory gearbox of a gas turbine engine,
which engine has a high-pressure drive shaft and a low-pressure drive shaft, the
drive system comprising:

a first tower shaft connected by a first gear arrangement to the high-
pressure drive shaft;

a second tower shaft connected by a second gear arrangement to the low-
pressure drive shaft, wherein the first tower shaft is concentric with the second
tower shaft;

a first lay shaft connected by a third gear arrangement to the first tower
shaft, and connected to the accessory gearbox, the third gear arrangement
including a first bevel gear attached to the first tower shaft, and a second bevel
gear attached to the first lay shaft, wherein the first bevel gear and the second
bevel gear are engaged with one another;

a second lay shaft connected by a fourth gear arrangement to the second
tower shaft, and connected to the accessory gearbox, wherein the first lay shaft
is disposed spaced apart from and parallel to the second lay shaft;

wherein the fourth gear arrangement includes a first spur gear, a second
spur gear, an intermediate shaft, a first bevel gear, and a second bevel gear,
wherein the first spur gear is attached to the second tower shaft, and the second
spur gear and the first bevel gear are attached to the intermediate shaft, and the
second bevel gear is attached to the second lay shaft;

wherein the first spur gear and the second spur gear are engaged with
one another; and

wherein the first bevel gear and the second bevel gear are engaged with
one another.

Cancel claims 9-13.

14. (Currently Amended) ~~The mechanical drive system of claim 9, A~~
mechanical drive system for an accessory gearbox of a gas turbine engine,
which engine has a high-pressure drive shaft and a low-pressure drive shaft, the
drive system comprising:

a first tower shaft driven by the high-pressure drive shaft;

a second tower shaft driven by the low-pressure drive shaft;

a first lay shaft driven by the first tower shaft, and connected to the
accessory gearbox; and

a second lay shaft driven by the second tower shaft, and connected to the
accessory gearbox;

wherein the first lay shaft is disposed spaced apart from and parallel to the
second lay shaft, and is connected to the second lay shaft by an intermediate
shaft having and a pair of spur gears.

15. (Currently Amended) The mechanical drive system of claim ~~6~~14, wherein a first gear arrangement connects the first tower shaft to the first lay shaft, the first gear arrangement including a first bevel gear attached to the first tower shaft, and a second bevel gear attached to the first lay shaft, wherein the first bevel gear and the second bevel gear are engaged with one another.

Cancel claims 16-20.

21. (New) The mechanical drive system of claim 14, wherein the first tower shaft and second tower shaft are concentric with one another.

22. (New) A mechanical drive system for an accessory gearbox of a gas turbine engine, which engine has a high-pressure drive shaft and a low-pressure drive shaft, the drive system comprising:

a first tower shaft driven by the high-pressure drive shaft;

a second tower shaft driven by the low-pressure drive shaft;
a first lay shaft driven by the first tower shaft, and connected to the accessory gearbox; and
a second lay shaft driven by the second tower shaft, and connected to the accessory gearbox;
wherein the first lay shaft is disposed spaced apart from and parallel to the second lay shaft, and is connected to the second lay shaft by an intermediate shaft.

23. (New) A gas turbine engine, comprising:

a high-pressure drive shaft connected to a high-pressure compressor and a high-pressure turbine;

a low-pressure drive shaft connected to a low-pressure compressor and a low-pressure turbine;

wherein the high-pressure drive shaft and the low-pressure drive shaft rotate about an axially extending engine centerline;

an accessory gear box;

a first tower shaft driven by the high-pressure drive shaft, and connected to the accessory gearbox by a first lay shaft; and

a second tower shaft driven by the low-pressure drive shaft, and connected to the accessory gearbox by a second lay shaft, wherein the first tower shaft is concentric with the second tower shaft;

wherein the first lay shaft is disposed spaced apart from and parallel to the second lay shaft, and is connected to the second lay shaft by an intermediate shaft having and a pair of spur gears.